| <br> -<br> _                                   | PATENT  | APPLICATI<br>Effe  |                           | DETERM                                | TANIN        | ION REC             |         |                    | Application $OG$       | on or I        | Docket Ni          | umber                  |
|--|---|--|---------------------------|---------------------------------------|--------------|---------------------|---------|--------------------|------------------------|----------------|--------------------|------------------------|
| CLAIMS AS FILED - PART I (Column 1) (Column 2) |   |  |                           |                                       |              | umn 2)              |         | SMALL<br>TYPE      | ENTITY                 | OF             |                    | R THAN<br>L ENTITY     |
|  | OTAL CLAIMS   | S<br>  |                           |                                       |              |                     |         | RATE               | FEE                    |                | RATE               | FEE                    |
| F  | OR  | •  | NUMBER FILED NUMBER EXTRA |                                       |              |                     | BASIC F | EE 37 <b>5</b> .0  | O OF                   | BASIC FE       | E 75000            |                        |
| Ľ  | OTAL CHARGE   | ABLE CLAIMS  | 29 minus 20= *            |                                       |              |                     |         | X\$ 9=             |                        | OR             | X\$18=             |                        |
| <u> </u>                                       | DEPENDENT C   |  | minus 3 =                 |                                       |              |                     |         | X42=               |                        | OR             | X84=               |                        |
| М  | ULTIPLE DEPE  | NDENT CLAIM F  | RESENT                    |                                       |              |                     |         | +140=              |                        | OR             | +280=              |                        |
| *  | * If the difference in column 1 is less than zero, enter "0" in column 2            |  |                           |                                       |              |                     |         |                    |                        | OR             |                    | 788                    |
|  | CLAIMS AS AMENDED - PART II (Column 1) (Column 2) (Column 3)                        |  |                           |                                       |              |                     |         | SMALL              | ENTITY                 | <b>-</b><br>OR |                    | R THAN<br>ENTITY       |
| AMENDMENT A                                    |   | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT                      |                           | HIGHI<br>NUME<br>PREVIO<br>PAID F     | BER<br>JUSLY | PRESENT<br>EXTRA    |         | RATE               | ADDI-<br>TIONAI<br>FEE |                | RATE               | ADDI-<br>TIONAL<br>FEE |
| NDN  | Total   | *  | Minus                     | **                                    |              | =                   |         | X\$ 9=             |                        | OR             | X\$18=             |                        |
| AME  | Independent   | *  | Minus                     | ***                                   | OL 4/44      | =                   |         | X42=               |                        | OR             | X84=               |                        |
|  | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM                                      |  |                           |                                       |              |                     |         | +140=              |                        | OR             | +280=              |                        |
|  |   | L  | TOTAL<br>ADDIT. FEE       |                                       | ا کرا        | TOTAL<br>ADDIT. FEE |         |                    |                        |                |                    |                        |
|  |   | (Column 1)   |                           | (Colum                                |              | (Column 3)          | . '     | 700II. 1 LL        |                        |                | AUDIT. TEE         |                        |
| DMENT B  |   | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT                      |                           | HIGHE<br>NUMB<br>PREVIOI<br>PAID F    | ER<br>JSLY   | PRESENT<br>EXTRA    |         | RATE               | ADDI-<br>TIONAL<br>FEE |                | RATE               | ADDI-<br>TIONAL<br>FEE |
|  | Total   | *  | Minus                     | **                                    | •            | =                   |         | X\$ 9=             |                        | OR             | X\$18=             |                        |
| AMEN   | Independent   | *  | Minus                     | ***                                   |              | =                   |         | X42=               |                        | OR             | X84=               |                        |
|  | PHST PHESE  | NTATION OF MU  | ILTIPLE DEF               | PENDENT                               | CLAIM        |                     |         | +140=              |                        | OR             | +280=              |                        |
|  |   |  |                           |                                       |              |                     | A       | TOTAL<br>DDIT. FEE |                        | OR ,           | TOTAL<br>DDIT. FEE |                        |
|  |   | (Column 1)   |                           | (Columr                               | n 2)         | (Column 3)          |         |                    |                        |                | ٠.                 |                        |
| C L  |   | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT                      |                           | HIGHES<br>NUMBE<br>PREVIOU<br>PAID FO | R<br>ISLY    | PRESENT<br>EXTRA    |         | RATE               | ADDI-<br>TIONAL<br>FEE |                | RATE               | ADDI-<br>TIONAL<br>FEE |
| AMENDMEN                                       | Total   | *  | Minus                     | **                                    |              | =                   | Γ       | X\$ 9=             |                        | OR             | X\$18=             |                        |
| M M  |   | <u>.                                    </u>                   | Minus                     | ***                                   |              | =-                  | F       | X42=               |                        | OR             | X84=               |                        |
|  | HIRST PRESEN  | NTATION OF MU  | LTIPLE DEP                | ENDENT C                              | LAIM         |                     | }       |                    |                        |                | -                  | •                      |
| • If   | If the entry in column 1 is less than the entry in column 2, write "0" in column 3. |  |                           |                                       |              |                     |         |                    |                        | OR L           | +280=<br>TOTAL     |                        |
| ***  | the "Highest Num  | ber Previously Pai<br>ber Previously Pai<br>er Previously Paid | d For IN THIS             | SPACE is le                           | ess than     | 3, enter "3."       |         | DOIT. FEE L        | ropriate box           |                | DOIT, FEE <b>L</b> |                        |

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Application or Docket Number

## PATENT APPLICATION FEE DETERMINATION RECORD

Effective November 10, 1998

|  |   | •   | SMALL<br>TYPE | ENTITY                                      | OR               | OTHER<br>SMALL      |                     |                        |                |                     |                        |
|--|---|---|---------------|---|------------------|---------------------|---------------------|------------------------|----------------|---------------------|------------------------|
| FC   | R   | NUMB                                      | ER FILED      | NUMBER EXTRA                                |                  |                     | RATE                | FEE                    | ]              | RATE                | FEE                    |
| ВА   | SIC FEE   | ٥   |               |   |                  |                     | 380.00              | OR                     | , <del>1</del> | 760.00              |                        |
| то   | TAL CLAIMS  |   | minus         | 20= *                                       |                  |                     | X\$ 9=              |                        | OR             | X\$18=              |                        |
| IND  | EPENDENT CL   | .AIMS                                     | 4 minus       | 3 = * /                                     |                  |                     | X39=                |                        | OR             | X78=                | 78                     |
| MULTIPLE DEPENDENT CLAIM PRESENT   |   |   |               |   |                  |                     |                     |                        | OR             | +260=               |                        |
| * If the difference in column 1 is less than zero, enter "0" in column 2 |   |   |               |   |                  |                     |                     |                        | OR             | TOTAL               | 838                    |
| CLAIMS AS AMENDED - PART II  (Column 1) (Column 2) (Column 3)            |   |   |               |   |                  |                     |                     | ENTITY                 | OR             | OTHER<br>SMALL      |                        |
| ENT A  | . ž   | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT | , ,           | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA |                     | RATE                | ADDI-<br>TIONAL<br>FEE |                | RATE                | ADDI-<br>TIONAL<br>FEE |
| <b>AMENDMENT</b>   | Total   | *   | Minus         | **  | =                |                     | X\$ 9=              |                        | OR             | X\$18=              |                        |
| AME  | Independent   | <u>'</u>                                  |               | Minus ***                                   |                  |                     | X39=                |                        | OR             | X78=                |                        |
| _  | FIRST PRESE   |   | 1             | +130=                                       |                  | OR                  | +260=               |                        |                |                     |                        |
|  |   | Ļ   | TOTAL         |   |                  | TOTAL<br>ADDIT. FEE |                     |                        |                |                     |                        |
|  |   | f   | ADDIT. FEE    |   |                  | AUUII. PEE          |                     |                        |                |                     |                        |
| ENT B  | ۰   | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT | ¢             | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA |                     | RATE                | ADDI-<br>TIONAL<br>FEE |                | RATE                | ADDI-<br>TIONAL<br>FEE |
| <b>AMENDMENT</b>   | Total   | *   | Minus         | **  | =                |                     | X\$ 9=              |                        | OR             | X\$18=              |                        |
| AME  | Independent   | *   | Minus         | Minus ***  JLTIPLE DEPENDENT CLAIM          |                  |                     | X39=                |                        | OR             | X78=                |                        |
|  | FIRST PRESE   | NIATION OF W                              | ULTIPLE DE    | PENDENT CLAIM                               |                  | <b>'</b>            | +130=               | •                      | OR             | +260=               |                        |
|  |   |   |               |   |                  | L                   | TOTAL<br>ADDIT, FEE |                        | OR             | TOTAL<br>ADDIT. FEE |                        |
|  |   | (Column 1)                                |               | (Column 2)                                  | (Column 3)       | <b>-</b>            |                     |                        |                |                     |                        |
| AMENDMENT C  | 11/20/02  | CLAIMS REMAINING AFTER AMENDMENT          | b 0           | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA |                     | RATE                | ADDI-<br>TIONAL<br>FEE |                | RATE                | ADDI-<br>TIONAL<br>FEE |
| NDN  | Total   | · 38                                      | Minus         | - 28  | =                |                     | X\$ 9=              |                        | OR             | X\$18€              |                        |
| AME  | Independent   | <u>+ ()</u>                               | Minus ***     |   | 7) =             |                     | X39=                |                        | ØŔ             | X78=                |                        |
| _  | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM  |   |               |   |                  |                     | +130=               |                        |                | +260=               |                        |
|  |   |   |               | ımn 2, write "0" in co                      |                  | L                   | TOTAL               |                        | OR             | +200=               |                        |
| ***  | ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."  ***If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."  The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1. |   |               |   |                  |                     |                     |                        |                |                     |                        |

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| PATENT APPLICATION FEE DETERMINATION RECOR                               |  |  |   |                               |                            |                                       |   |                               | 09/252989                |                        |               |                                |                        |  |  |
|--|--|--|---|-------------------------------|----------------------------|---------------------------------------|---|-------------------------------|--------------------------|------------------------|---------------|--------------------------------|------------------------|--|--|
| CLAIMS AS FILED - PART I (Column 1) (Column 2)                           |  |  |   |                               |                            |                                       |   | SMALL ENTITY                  |                          |                        | OR            | OTHER<br>SMALL                 |                        |  |  |
| TOTAL CLAIMS   |  |  |   |                               |                            |                                       |   | RATI                          | Ε                        | FEE                    | ]             | RATE                           | FEE                    |  |  |
| FO   | R  |  | NUMBER FILED N                                |                               | NUMB                       | UMBER EXTRA                           |   | BASIC                         | FEE                      | 370.00                 | OR            | BASIC FEE                      | 750<br>740.00          |  |  |
| то   | TAL CHARGEA                                    | BLE CLAIMS   | 8 minus 20= *                                 |                               | * (                        | 3                                     | X\$ 9                                   |                               | =                        |                        | OR            | X\$18=                         | 144                    |  |  |
| IND  | EPENDENT CL                                    | AIMS   | minus 3 = *                                   |                               |                            | 4                                     | X42                                     |                               |                          |                        | OR            | X84=                           | 3/10                   |  |  |
| MU   | LTIPLE DEPEN                                   | IDENT CLAIM PI   | RESENT  | SENT                          |                            |                                       |   | 140                           |                          |                        |               | +280=                          | <u> </u>               |  |  |
| * If the difference in column 1 is less than zero, enter "0" in column 2 |  |  |   |                               |                            |                                       |   | +140=<br>TOTAL                |                          |                        | OR            | TOTAL                          | 12/2/                  |  |  |
|  | CLAIMS AS AMENDED - PART II                    |  |   |                               |                            |                                       |   |                               |                          |                        | OR            |                                | THAN                   |  |  |
|  |  | (Column 1)   | ENDED   | (Colui                        | mn 2)                      | (Column 3)                            | OTHER THAN SMALL ENTITY OR SMALL ENTITY |                               |                          |                        |               |                                |                        |  |  |
| AMENDMENT A  |  | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT                      |   | HIGH<br>NUM<br>PREVIO<br>PAID | BER<br>OUSLY               | PRESENT<br>EXTRA                      |   | RATI                          | E                        | ADDI-<br>TIONAL<br>FEE |               | RATE                           | ADDI-<br>TIONAL<br>FEE |  |  |
| MON  | Total  | *  | Minus   | **                            |                            | =                                     |   | X\$ 9                         | =                        |                        | OR            | X\$18=                         |                        |  |  |
| ME   | Independent                                    | *  | Minus   | ***                           |                            | =                                     |   | X42=                          | =                        |                        | OR            | X84=                           |                        |  |  |
| Ľ  | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM |  |   |                               |                            |                                       |   | +140                          | _                        |                        |               | +280=                          |                        |  |  |
| -  |  |  |   |                               |                            |                                       |   |                               | ΓAL                      |                        | OR            | TOTAL                          |                        |  |  |
|  | (Column 1) (Column 2) (Column 3)               |  |   |                               |                            |                                       |   |                               | ADDIT. FEE OR ADDIT. FEE |                        |               |                                |                        |  |  |
|  |  | (Column 1)<br>CLAIMS   |   | HIGH                          | EST                        | (Column 3)                            | ۱ ا                                     |                               | 1                        | ADDI-                  | 1             |                                | ADDI-                  |  |  |
| DMENT B  |  | REMAINING<br>AFTER<br>AMENDMENT                                |   | NUM<br>PREVI<br>PAID          | OUSLY                      | PRESENT<br>EXTRA                      |   | RATI                          | Ξ                        | TIONAL<br>FEE          |               | RATE                           | TIONAL<br>FEE          |  |  |
|  | Total  | *  | Minus   | **                            |                            |                                       |   | X\$ 9                         | =                        | İ                      | OR            | X\$18=                         |                        |  |  |
| AMEN   | Independent                                    | *  | Minus   | ***                           |                            | =                                     |   | X42=                          | =                        |                        | OR            | X84=                           |                        |  |  |
| Ĺ  | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM |  |   |                               |                            |                                       | +140                                    |                               |                          | •                      | +280=         | <del></del>                    |                        |  |  |
|  |  |  |   |                               |                            |                                       |   | 1701                          |                          |                        | OR            | TOTAL                          |                        |  |  |
|  |  |  |   |                               |                            |                                       |   |                               | ΕĒ                       |                        | OR            | ADDIT. FEE                     |                        |  |  |
|  |  | (Column 1)<br>CLAIMS   | 1   | (Colu                         |                            | (Column 3)                            | lr                                      |                               | _                        |                        | 1             |                                | r                      |  |  |
| AMENDMENT C  |  | REMAINING<br>AFTER<br>AMENDMENT                                |   |                               | IBER<br>OUSLY<br>FOR       | PRESENT<br>EXTRA                      |   | RATE                          | Ξ                        | ADDI-<br>TIONAL<br>FEE |               | RATE                           | ADDI-<br>TIONAL<br>FEE |  |  |
| NDN  | Total  | *  | Minus   | **                            |                            | =                                     |   | X\$ 9                         | =                        |                        | OR            | X\$18=                         |                        |  |  |
| \ME  | Independent                                    | *  | Minus   | ***                           |                            | =                                     |   | X42=                          | =                        |                        | OR            | X84=                           |                        |  |  |
| Ľ  | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM |  |   |                               |                            |                                       |   |                               |                          |                        |               | <u> </u>                       | <b></b>                |  |  |
| *  | If the entry in colu                           | mn 1 is less than t  | he entry in col                               | ımn 2. writ                   | e "0" in co                | lumn 3.                               |   | +140                          |                          |                        | OR            | +280=                          |                        |  |  |
| **   | If the "Highest Nu<br>If the "Highest Nu       | mber Previously P<br>Imber Previously P<br>Inber Previously Pa | aid For <sup>*</sup> IN THI<br>aid For" IN TH | S SPACE<br>IS SPACE           | is less tha<br>is less tha | n 20, enter "20."<br>in 3, enter "3." | •                                       | TOT<br>ADDIT. F<br>and in the | EE                       | propriate bo           | OR<br>x in co | TOTAL<br>ADDIT. FEE<br>Iumn 1. |                        |  |  |